

IN THE CLAIMS:

Please amend the claims as follows:

A marked up copy of each amended claim pursuant to 37 CFR § 1.121(c)(1)(ii) appears on the page immediately following the amended claim.

12. (Amended) A public key data encryption system wherein each user has a private key and a certificate containing data pertaining to the user including the user's public key, the encryption system comprising:
  - a master public key; and
  - a first data processing system operable to generate a session key, to encrypt data using the session key, to encrypt the session key with the user's public key, to encrypt the session key with the master public key, to generate a data packet including the encrypted session keys and the encrypted data, and to transmit the data packet.
23. (Amended) An article of manufacture comprising:
  - a computer usable medium having computer readable program code embodied therein for encrypting and decrypting data wherein each user has a private key and a public key, the article of manufacture comprising:
    - a master public key; and
    - a first data processing module operable to generate a session key, to encrypt data using the session key, to encrypt the session key with the user's public key, to encrypt the session key with the master public key, to generate a data packet including the encrypted session keys and the encrypted data, and to transmit the data packet.